MEGALITE

EVRI COLOR™

USER MANUAL

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Check that the unit has not been damaged during transport

Protection Against Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit to close to a heat source.
5. Make sure cable are properly secured away from unit movement.
6. Maximum surface operating temperature 80°.

Protection Against Fire

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 5.
3. This unit must be earthed. (electronically grounded)
4. Do not submerge unit in water.

Protection Against Mechanical Hazards

1. Use safety chain when hanging unit.
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock.

Specifications

Part

Fixture

7110-EvriColor CM5 TRGB (Red, Green, Blue)
7111-EvriColor CM5 TACW (Amber, Cool White, Warm White)
7112-EvriColor CM5 QRGBW (Red, Green, Blue, White)
7113-EvriColor CM5 PRGBWA (Red, Green, Blue, White, Amber)

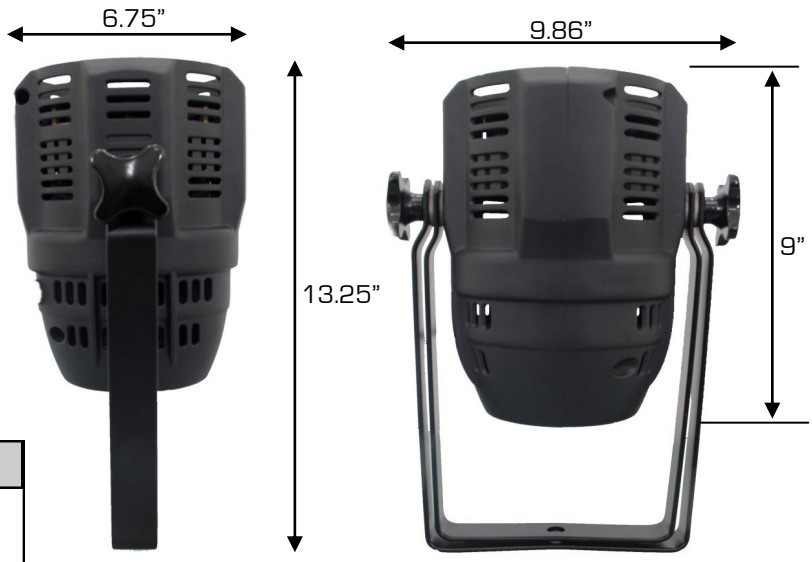
Mechanical Specifications

DMX Connections: XLR 3 pin Or XLR 5 Pin

Power Connection: Nema 5-15

Thermal: Maximum ambient temperature 104°
Maximum surface temperature 140°

Fastening System: Dual mounting yoke



Fixture	Packaging
Size: 13.25” x 9.86” x 6.75”	Size: 16” x 9.5” x 9.5
Weight: 11lb (heaviest option)	Weight: 12.5lb

Electrical Specifications

LED Quantity: 18 Tri Color 3 Watt or 7 Quad Color 10 Watt or 7 Pent Color 12 Watt

LED Refresh rate : 400Hz (flicker free)

LED– Lifetime: Average 60,000 to 100,000

Power Supply: Electronic Universal 100-240V 50/60 Hz

Power Consumption	**3 Watt**	**10 Watt**	**12 Watt**
Watts:	62	110	180
Amps:	.87	1.25	1.70

Protocol: DMX 512

DMX Modes:

Tri LED operation	Mode 1-3 Ch Red, Green, Blue Mode 2-4 Ch Dimmer/Strobe, R, G, B Mode 3-6 Ch R,G, B, Strobe, Macro, Dimmer
Quad LED operation	Mode 1-4 Ch Red, Green. Blue ,White Mode 2-7 Ch R,G,B, W, Strobe, Macro, Dimmer
Penta LED operation	Mode 1-4 Ch Red, Green. Blue ,White, Amber Mode 2-7 Ch R,G,B, W, A, Strobe, Macro, Dimmer

Display Setting: Master Slave
Standalone

Ordering Information

Item Number		LED Color		Tri Beam Angle		Fixture Color		DMX Input	
7110	18Tri x 3W	TRGB	Tri Red ,Green Blue	15	15°	BLAK	Black	3	3 pin in and out
				25	25°	WHIT	White	5	5 pin in and out
7111	18Tri x 3W	TACW	Tri Amber, Warm White, Cool White	45	45°	XXXX	Custom	3W	3 pin in and out & Wireless DMX
				60	60°				
7112	12 x 10W	QRGBW	Quad Red, Green, Blue, White	Quad & Five Beam				5W	5 pin in and out & Wireless DMX
				Q25	25°				
				Q45	45°				
7113	12 x 12W	FRGBWA	Penta Red, Green, Blue, White, Amber						

Ordering Example

Item# 7111-TACW-25-WHIT-5

= 18Tri x 3W—Amber,Cool White, Warm White-25 degree-White Fixture Housing-5 pin Connectors in and out

Main Power Connection

Caution!

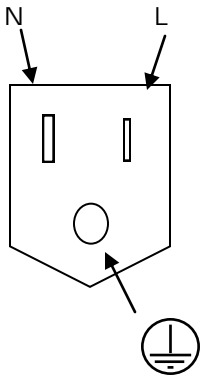
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.

This fixture is equipped with a auto switchable power supply that will let the unit operate from 110V or 220V from 50Hz to 60Hz.

The occupation of the connection-cable is as follows:

110V Connection

Cable (USA)	Cable (EU)	Pin	Connection
Black	Brown	Live	L
White	Light Blue	Neutral	N
Green	Yellow/Green	Ground	⏚



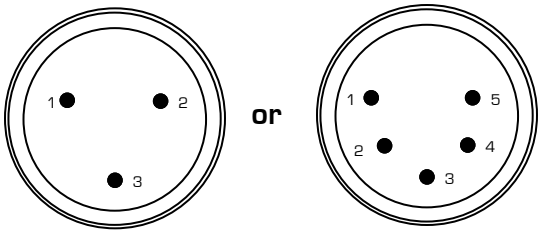
220V Connection

Cable (USA)	Cable (EU)	Pin	Connection
Black	Brown	Live	L
White	Light Blue	Live	N
Green	Yellow/Green	⏚	⏚

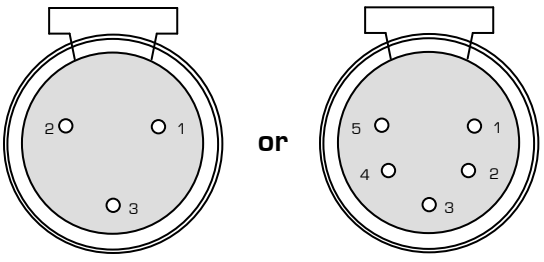
DMX-512 Connection

The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input **DMX—output**



1. Shield
2. Signal (-)
3. Signal (+)



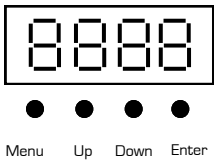
Caution!

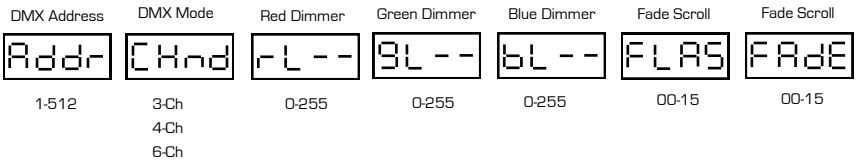
At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the (-) and the (+) signal into a 3 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are available for purchase from your Mega-Lite dealer (HOS-DMXT).

Main Control Menu for 7110 or 7111 Tri Chip LED model

The control board on the fixture base is your interface to access and control all the functions on the unit. Its digital display gives you a code view of the options and functions. The following will explain each function and its options.

CONTROL BOARD





Addr DMX Address

Press **Enter** to select the DMX start channel use the **up/down** keys, display will be flashing once you have selected the desired start channel Press **Enter** to confirm display will stop flashing.

CHnd DMX Mode

This function allows you to select the mode in witch you want to control the Arc 90. Press **Enter** use the **up/down** keys to select desired DMX mode settings. Press **Enter** to confirm the settings.

3 CH	Red, Green, Blue or Amber, Warm White, Cool White
4 CH	Dimmer/Strobe, Red, Green, Blue or Dimmer/Strobe, Amber, Warm White, Cool White
6 CH	Red, Green, Blue, Strobe, Macro, Dimmer or Amber, Warm White, Cool White, Strobe, Macro, Dimmer

rL-- Red Dimmer

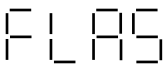
This function allows you to dim up or down the red or amber LED's . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

GL-- Green Dimmer

This function allows you to dim up or down the green or warm white LED's . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

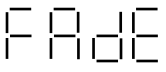
bL-- Blue Dimmer

This function allows you to dim up or down the blue or cool white LED's . Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.



Flash

This function allows you to strobe the LED's on the whole . Press **Enter** use the **up/down** keys to select desired flash settings. Press **Enter** to confirm the settings.



Fade Scroll

This function allows you to fade the LED's on the whole strip from one color to another. Press **Enter** use the **up/down** keys to select desired fade speed settings from 0 to 20. Press **Enter** to confirm the settings.

DMX Profile for 7110 Tri R,G,B Chip LED model

EvriColor 3 Channel Mode

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255

EvriColor 4 Channel Mode

DMX Chanel	Function	Description	Value
1	Dimmer	Dimmer	0-152
		Strobe (slow to fast)	153-242
		Dimmer Full On	243-255
2	LED Color	Red LED intensity	0-255
3	LED Color	Green LED Intensity	0-255
4	LED Color	Blue LED Intensity	0-255

EvriColor 6 Channel Mode

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	Strobe	Strobe (slow to fast)	0-255
5	Macro	No Function	0-1
		Color fade (slow to fast)	2-19
		Color Snap (slow to fast)	20-39
		Random (slow to fast)	40-59
		Yellow	60-79
		Purple	80-99
		Aqua	100-119
		Orange	120-139
		Red Pulse	140-159
		green Pulse	160-179
		Blue Pulse	180-199
		Yellow Pulse	200-219
		Aqua Pulse	220-229
		White Pulse	230-249
		White LED Full	250-255
6	Dimmer	Dimmer Off to Full	0-255

DMX Profile for 7111 Tri A,W,C Chip LED model

EvriColor 3 Channel Mode

DMX Chanel	Function	Description	Value
1	LED Color	Amber LED intensity	0-255
2	LED Color	Warm White LED Intensity	0-255
3	LED Color	Cool White LED Intensity	0-255

EvriColor 4 Channel Mode

DMX Chanel	Function	Description	Value
1	Dimmer	Dimmer	0-152
		Strobe (slow to fast)	153-242
		Dimmer Full On	243-255
2	LED Color	Amber LED intensity	0-255
3	LED Color	Warm White LED Intensity	0-255
4	LED Color	Cool White LED Intensity	0-255

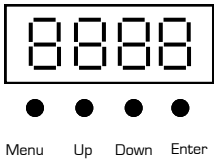
EvriColor 6 Channel Mode

DMX Chanel	Function	Description	Value
1	LED Color	Amber LED intensity	0-255
2	LED Color	Warm White LED Intensity	0-255
3	LED Color	Cool White LED Intensity	0-255
4	Strobe	Strobe (slow to fast)	0-255
5	Macro	No Function	0-1
		Color fade (slow to fast)	2-19
		Color Snap (slow to fast)	20-39
		Random (slow to fast)	40-59
		Color Temp	60-79
		Color Temp	80-99
		Color Temp	100-119
		Color Temp	120-139
		Color Pulse	140-159
		Color Pulse	160-179
		Color Pulse	180-199
		Color Pulse	200-219
		Color Pulse	220-229
		Color Pulse	230-249
		White LED Full	250-255
6	Dimmer	Dimmer Off to Full	0-255

Main Control Menu for 7112 Quad Chip LED model

The control board on the fixture base is your interface to access and control all the functions on the unit. Its digital display gives you a code view of the options and functions. The following will explain each function and its options.

CONTROL BOARD



DMX Address	DMX Mode	Red Dimmer	Green Dimmer	Blue Dimmer	White Dimmer	Fade Scroll	Fade Scroll
Addr	CHnd	rL--	9L--	bL--	UL--	FLAS	FAdE
1-512	4-Ch 7-Ch	0-255	0-255	0-255	0-255	00-15	00-15

Addr DMX Address

Press **Enter** to select the DMX start channel use the **up/down** keys, display will be flashing once you have selected the desired start channel Press **Enter** to confirm display will stop flashing.

CHnd DMX Mode

This function allows you to select the mode in witch you want to control the Arc 90. Press **Enter** use the **up/down** keys to select desired DMX mode settings. Press **Enter** to confirm the settings.

4 CH	Red, Green, Blue, White
7 CH	Red, Green, Blue, White, Strobe, Macro, Dimmer

rL-- Red Dimmer

This function allows you to dim up or down the red LED's . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

9L-- Green Dimmer

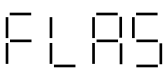
This function allows you to dim up or down the green LED's . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

bL-- Blue Dimmer

This function allows you to dim up or down the blue LED's . Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

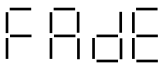
UL-- White Dimmer

This function allows you to dim up or down the White LED's . Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.



Flash

This function allows you to strobe all the LED on full . Press **Enter** use the **up/down** keys to select desired flash speed settings from 0 to 15. Press **Enter** to confirm the settings.



Fade Scroll

This function allows you to fade the LED's from one color to another. Press **Enter** use the **up/down** keys to select desired fade speed settings from 0 to 15. Press **Enter** to confirm the settings.

DMX Profile for 7112 Quad Chip LED model

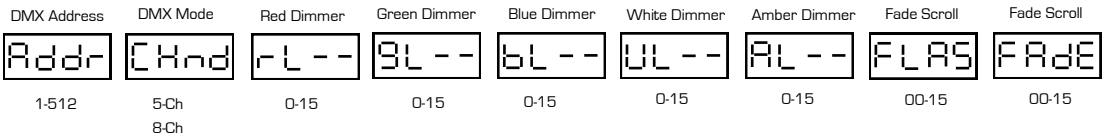
EvriColor 4 Channel Mode

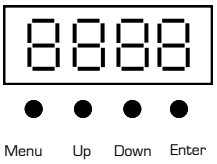
DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	LED Color	White LED Intensity	0-255

EvriColor 7 Channel Mode

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	LED Color	White LED Intensity	0-255
5	Strobe	Strobe (slow to fast)	0-196
		Random Strobe (slow to fast)	197-255
6	Macro	No Function	0-1
		Color fade (slow to fast)	2-19
		Color Snap (slow to fast)	20-39
		Random (slow to fast)	40-59
		Yellow	60-79
		Purple	80-99
		Aqua	100-119
		Orange	120-139
		Red Pulse	140-159
		green Pulse	160-179
		Blue Pulse	180-199
		Yellow Pulse	200-219
		Aqua Pulse	220-229
		White Pulse	230-249
		White LED Full	250-255
7	Dimmer	Dimmer Off to Full	0-255

Main Control Menu for 7113 Penta R,G,B,W,A Chip LED





Addr DMX Address

Press **Enter** to select the DMX start channel use the **up/down** keys, display will be flashing once you have selected the desired start channel Press **Enter** to confirm display will stop flashing.

CHnd DMX Mode

This function allows you to select the mode in witch you want to control the Arc 90. Press **Enter** use the **up/down** keys to select desired DMX mode settings. Press **Enter** to confirm the settings.

5 CH	Red, Green, Blue, White, Amber
8 CH	Red, Green, Blue, White, Amber, Strobe, Macro, Dimmer

rL-- Red Dimmer

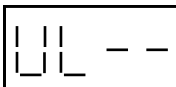
This function allows you to dim up or down the red LED's . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

GL-- Green Dimmer

This function allows you to dim up or down the green LED's . Press Enter use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

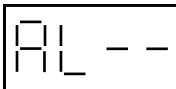
bL-- Blue Dimmer

This function allows you to dim up or down the blue LED's . Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.



White Dimmer

This function allows you to dim up or down the white LED's . Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.



Amber Dimmer

This function allows you to dim up or down the amber LED's . Press **Enter** use the **up/down** keys to select desired dimmer settings. Press **Enter** to confirm the settings.

Flash

This function allows you to strobe all the LED's. Press **Enter** use the **up/down** keys to select desired strobe speed settings from 0 to 15. Press **Enter** to confirm the settings.

Fade Scroll

This function allows you to fade the LED's from one color to another. Press **Enter** use the **up/down** keys to select desired fade speed settings from 0 to 15. Press **Enter** to confirm the settings.

EvriColor 5 Channel Mode

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	LED Color	White LED Intensity	0-255
5	LED Color	Amber LED Intensity	0-255

EvriColor 8 Channel Mode

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	LED Color	White LED Intensity	0-255
5	LED Color	Amber LED Intensity	0-255
6	Strobe	Strobe (slow to fast)	0-196
		Random Strobe (slow to fast)	197-255
7	Macro	No Function	0-1
		Color fade (slow to fast)	2-19
		Color Snap (slow to fast)	20-39
		Random (slow to fast)	40-59
		Yellow	60-79
		Purple	80-99
		Aqua	100-119
		Orange	120-139
		Red Pulse	140-159
		green Pulse	160-179
		Blue Pulse	180-199
		Yellow Pulse	200-219
		Aqua Pulse	220-229
		White Pulse	230-249
		White LED Full	250-255
8	Dimmer	Dimmer Off to Full	0-255

Rigging the fixture

Caution!
1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injures if you have doubts concerning the safety do not install.
3. Unit is to be 24inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the EvriColor CM5 has got to be built in the way that it can hold 10 times the weight for 1 hour with out any harming. Installation should be checked at least one time a year by a skilled person.

Cleaning and maintenance

Installation Maintenance: The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every 2 years.

The following points have to be considered during the inspection:
1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

Note: There is no serviceable parts inside the device except for the LED's. Maintenance and service operations are to be carried out by authorized dealers.

Replacing the fuse: Only replace the fuse with the same type and rating. Fuse is located inside the power supply

Replacing the power cable: If the power cable of this device becomes damaged, it has to be replaced by authorized dealers or trained professional only.

Should you have further questions , please contact your dealer.

Parts List

7100-bd	Barn door attachment
7100-my	Mounting Yolke
7100-Knob	Black Knob
7100-knobW	White Knob
7100-ps	Power supply
7100-dmx3	DMX 3pin connector card
7100-dmx5	DMX 5pin connector card
7110-3C	Display 3Ch Control
7112-4C	Display 4Ch Control

7112-5C	Display 5Ch Control
7110-mpcb3	Main PCB 3Ch
7112-mpcb4	Main PCB 4Ch
7113-mpcb5	Main PCB 5 Ch

MADE IN THE USA
MADE IN TEXAS

Warranty Information

Limited Warranty

Unless otherwise stated, your product is covered by a one year parts and labor limited warranty. Dichroic filters and glass gobos are not guaranteed against breakage or scratches to coating. It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and dealer or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.

Returning an Item Under Warranty for Repair

It is necessary to obtain a Return Material Authorization (RMA) number from your dealer or point of purchase BEFORE any units are returned for repair. The manufacturer will make the final determination as to whether or not the unit is covered by warranty. Lamps are covered by the lamp manufacturer's warranty.

Any Product unit or parts returned to MEGA Systems Inc. must be packaged in a suitable manner to ensure the protection of such Product unit or parts, and such package shall be clearly and prominently marked to indicate that the package contains returned Product units or parts and with an RMA number. Accompany all returned Product units or parts with a written explanation of the alleged problem or malfunction. Ship returned Product units or parts to: 5711 Kenwick St. San Antonio TX 78254 USA.

Note: Freight Damage Claims are invalid for fixtures shipped in non-factory boxes and packing materials.

Freight

All shipping will be paid by the purchaser. Items under warranty shall have return shipping paid by the manufacturer only in the Continental United States. Under no circumstances will freight collect shipments be accepted. Prepaid shipping does not include rush expediting such as air freight. Air freight can be sent customer collect in the Continental United States.

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